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PATENT APPLICATION

Docket No: 14531.3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Stephen G. Perlman and Phillip Y. Goldfarb

Serial No.: 08/660,087

Filed: June 3, 1996

For: **METHOD AND APPARATUS FOR MANAGING
COMMUNICATIONS BETWEEN A CLIENT AND
A SERVER IN A NETWORK**

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Honorable Commissioner of Patents
and Trademarks
Washington, DC 20231

Sir:


The undersigned, Robert A. Eshelman, declares: that he is Secretary of WEBTV NETWORKS, INC., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of WEBTV NETWORKS, INC.; and that WEBTV NETWORKS, INC., is the assignee of the entire interest of the above-identified application, as shown by the assignments recorded in the United States Patent Office at Reel 8045, Frame 0740-0741, a copy of said assignments are attached at Exhibit A hereto; and that the attached assignments have been reviewed by him, and to the best of his knowledge and belief title is in the assignee WEBTV NETWORKS, INC. The assignee, WEBTV NETWORKS, INC., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints RICK D. NYDEGGER, Registration

No. 28,651; DAVID O. SEELEY, Registration No. 30,148; JONATHAN W. RICHARDS, Registration No. 29,843; MICHAEL F. KRIEGER, Registration No. 35,232; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN M. GUYNN, Registration No. 36,153; GREGORY M. TAYLOR, Registration No. 34,263; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; KEVIN B. LAURENCE, Registration No. 38,219; KEVIN K. JOHANSON, Registration No. 38,506; SUSAN K. THOMAS, Registration No. 39,780, JEFFREY L. RANCK, Registration No. 38,590; JONATHAN D. WOOD, Registration No. 39,076; ROBYN L. PHILLIPS, Registration No. 39,330; DAVID B. DELLENBACH, Registration No. 39,166; TIMOTHY M. FARRELL, Registration No. 37,321; LENA I. VINITSKAYA, Registration No. 39,448; JOHN N. GREAVES, Registration No. 40,362; JOHN C. STRINGHAM, Registration No. 40,831; and C.J. VEVERKA, Registration No. 40,858, of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111; and DAN CROUSE, Registration No. 32,022; and KATE SAKO, Registration No. 32,628 of MICROSOFT CORPORATION, One Microsoft Way, Redmond, Washington 98052-6399, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

RICK D. NYDEGGER
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed at Redmond, Washington, this 23 day of January, 1998.



Robert A. Eshelman, Secretary
WebTV Networks, Inc.
305 Lytton Avenue
Palo Alto, California 94301

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